Work Order ID 56629

March 3, 2010 8:14:55 AM

Required Date: 08/03/2010



Page 1

Item ID:

D212-664-207TRN

Accept

Setup

Start

Stop



Revision ID:

Item Name:

Crosstube Turning Detail

Start Date:

03/03/2010

Start Qty: 1.00

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

QC:

Date: 16-3-07 Tooling:

Date:

SPC (Y/N):

Date: Date: Run

Start



Stop

Sequence ID/ Work Center ID Operation Description

Revision Nbr

Set Up/ **Run Hours** Draw Number Draw Plan Code Rev.

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

Draw Nbr

D212-664-247 Rev B

100

Mori Seiki

Mori Seiki CNC Lathe Large

MORI SEIKI CNC LATHE LARGE

Memo

0.00

0.00

1-Fill tube with sand & install plugs DT8534 on both ends as per Folio FA706

2-Turn first side as per Folio FA706 3- File transition lines smooth.

110

Quality Control

QC1- Inspect dimensions to dimension sheet

0.00

Memo

0.00

120

Mori Seiki

Mori Seiki CNC Lathe Large

MORI SEIKI CNC LATHE LARGE

Memo

0.00

0.00

1-Turn second side as per Folio FA706

2- File transition lines smooth.

3-Remove sand and plugs

	8	
() X		

Work Order ID 56629

March 3, 2010 8:14:55 AM



Page 2

Item ID:

D212-664-207TRN

Revision ID:

Item Name:

Crosstube Turning Detail

Start Date:

03/03/2010

Start Qty: 1.00

Required Date: 08/03/2010

Req'd Qty: 1.00



Accept



Setup Start

Stop



Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Cust Item ID:

Customer:

Draw

Number

Date:

Run

Reject

Qty

Start



Stop

Insp.

Stamp

Sequence ID/ Work Center ID

130

Quality Control

Operation Description

QC1- Inspect dimensions to dimension sheet

Memo

Set Up/ Run Hours

0.00

0.00

Draw

Rev. Code Qty

Plan

Reject

Number

140

Quality Control

QC8- Inspect parts - second check

Memo

0.00

Accept

150

HandFXtube

Hand Finishing Crosstubes

Crosstubes Chemical Conversion

Memo

0.00

0.00

10-03-17

		,
4.35		
100		
, ,		

Work Order ID 56629

March 3, 2010 8:14:55 AM



Page 3

Item ID:

D212-664-207TRN

Accept

Revision ID:

Item Name:

Crosstube Turning Detail

Start Date:

03/03/2010

Start Qty: 1.00

Required Date: 08/03/2010

Req'd Qty: 1.00



Cust Item ID: Customer:

Run

Reject

Qty

Setup

Start

Start

Stop



Number Stamp

Approvals:

Reference:

Process Plan:

QC:

Date: Date: Tooling: SPC (Y/N):

Draw

Number

Date: Date:

Draw

Rev.

Plan

Code

Stop

Insp.

Sequence ID/ Work Center ID

160

Quality Control

Operation

Description

QC3- Inspect Part Finish

Memo

Set Up/ Run Hours

0.00

0.00

Qty

Accept

an 10 -03 - 17 (1)

170

Packaging

Packaging

Packaging

Memo

0.00

0.00

Identify and stock in kanban rack Location:

Reject

180

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

- 11				
		1		
5				
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			×	
		The state of the s		

Picklist Print

March 3, 2010 8:14:59 AM

Work Order ID: 56629

Parent Item: D212-664-207TRN

Parent Item Name:

Crosstube Turning Detail

Comments:

IPP Rev:A New Issue 08-03-06 DD verified by:ec

IPP Rev B 08.04.02 Removed polish EC verified DD

Start Date: 03/03/2010

Required Date: 08/03/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name

D6008-132

Replacement Mfg/ Item ID

Purch Manufactured Bin Primary Item Location No

Last Location Route Seq ID 110

Unit of Measure Each

Qty on Hand 8.0000

Remaining Qty Qty To Pick Issued 1.0000

Date Issued

Status

Page 1

Crosstube extrusion

Warehouse

Main Warehouse

LG

50892

Loc Qty

Loc Code

AWM 10-3-09

Location

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DART AEROSPACE LTD	Work Order:	50629
Description: Crosstube Assembly (205/212 Low Aft)	Part Number:	D212-664-247
Inspection Dwg: D212-664-247 Rev: # B 4 10 03	.09	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

		X	First Article		Prototy	pe	
	spection Sheet wing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
	0.438	+/-0.010	. 438	6	- 0		50.50
	2.680	+0.005/-0.000	2-682	1		BUE	771.11
	2.680	+0.005/-0.000	2-683	1			
	2.687	+0.005/-0.000	2.687	2			
	2.802	+0.005/-0.000	7-802	-			
	2.906	+0.005/-0.000	2.90%		-		
EA	3.009	+0.005/-0.000	3.009	1			
SIDE	3.112	+0.005/-0.000	3.117	/			
"	3.250	+0.005/-0.000	3.250	/			
	0.438	+/-0.010	.438	V			
	2.680	+0.005/-0.000	2.682	-			
L	2.680	+0.005/-0.000	2.682	L			
	2.687	+0.005/-0.000	2.691	V			
	2.802	+0.005/-0.000	2.806	1			
0	2.906	+0.005/-0.000	2.908				
	3.009	+0.005/-0.000	3.013	/			19.
300	3.112	+0.005/-0.000	3.114	/			-41
-	3.250	+0.005/-0.000	3,250	1			
		A E COM		4-13			
	128.27	+/-0.030	128.27	1			
eas	sured by: AWM	MB Au	dited by:	3	Pi	ototype Approv	al: N/A
	Date: 10-3		Date:	0/05/12		Da	te: N/A
ev A	Date Chan 08.11.07 New		/O D212-664-2	07)		Revised b	Approved

Dart Aerospace Ltd WORK ORDER CHANGES W/O: Approval Approval DATE STEP PROCEDURE CHANGE Chief Eng / Prod Mgr By Date Qty QC Inspector Part No: PAR #: Fault Category: _ NCR: Yes No DQA: Date: Disposition: QA: N/C Closed: Resolution: Date: WORK ORDER NON-CONFORMANCE (NCR) NCR: Corrective Action Section B **Description of NC** Verification Approval Approval DATE STEP Sign & **Action Description** Initial QC Inspector Section A Section C Chief Eng Chief Eng Date Chief Eng

NOTE: Date & initial all entries

^{*}H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE



	L			
Tem	-247	-247B	Part Number	Description
-	×		D212-664-247	CROSSTURE ASSEMBLY PROFILED AND APPLIANCE
2		×	D212-664-247B	CROSSTUBE ASSEMBLY (214 LOW AFT)
67	+	-	D6006-132	CROSSTUBE
4	2	2	D2940-1	SUPPORT
9	4	4	03596-063-530	RUBBER CHSHION
9	2	2	D3660-1	CUFF
7	4	4	MS21920-28	CLAMP (OR MS21020, 20)
00	4	44	CR3212-4-06	RIVET (OR M7885/3-4-08)
G	AR	AR	MAGNOBOND 6398	ROCKWELL SPECIFICATION RBO-120-023 ADHESIVE (TEXTRON/BELL SPEC. 299-947-100, TYPE II, CLASS 2 ADHESIVE)
10	AR	A/R	SIKAFLEX-241/-291	SEALANT (OR PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT)

- 1) MATERIAL. MANUFACTURED FROM DEBOG-132
 2) FINISH CHEMICAL COAT PERPORT OSI 005 4.1
 PRINCHED LENGTH + 1782.78840.020 (BEFORE BENDINGTRIMMING)
 PRINCH MISCIDE FRE DATA OSI 005 4.2
 3) TOLERANICES AND OUTSIDE PER DATA OSI 005 4.2
 4) WHITS INVESTIGEN WAS CHEMICATED AND OUTSIDE FROM THE SO THERWISE NOTED.
 5) BREAK SHAPP EDGES: 0.005 TO 0.109 MAX.
 6) IDENTIFICATION. SCRIBLE DART PART NUMBER: 0.212.664.XXX AND BATCH MUMBER ON INSIDE OF CUFF.
 7) WEIGHT D212.664.237 836 Bib (FER INN.D212.664)
 8) PART IS SYMMETHIC ADOUT CENTERLINE
 9) WHEIGHT D212.664.237 836 Bib (FER INN.D212.664)
 9) PART IS SYMMETHIC ADOUT CENTERLINE
 9) WHEIGHT D212.664.237 836 Bib (FER INN.D212.664)
 10) PART IS SYMMETHIC ADOUT CENTERLINE
 11 DIOUD PERPORT OF 0.000 TO 0.000 TO
- UNACCEPTABLE

 15) TOROLO ECLAMBAS 80 TO 100 NLB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS 10 NOT BOTTOMBED OUT ATTER TOROUNG LAND SHOWING IN SAFETY AND THAT NUT HAS 15) NOT BOTTOMBED. OUT ATTER TOROUNG CONVERSION COAT BUT BEFORE PAINT, WITH A LAYER OF SKAFLEX-2411/291 OR PROSOSAL 890 OR MILL-\$4892 CLASS R2 SEALANT BETWEEN CUFF AND CROSSTUBE. SEAL EDGE OF CLIFT TO ENSURE NO GAPS.

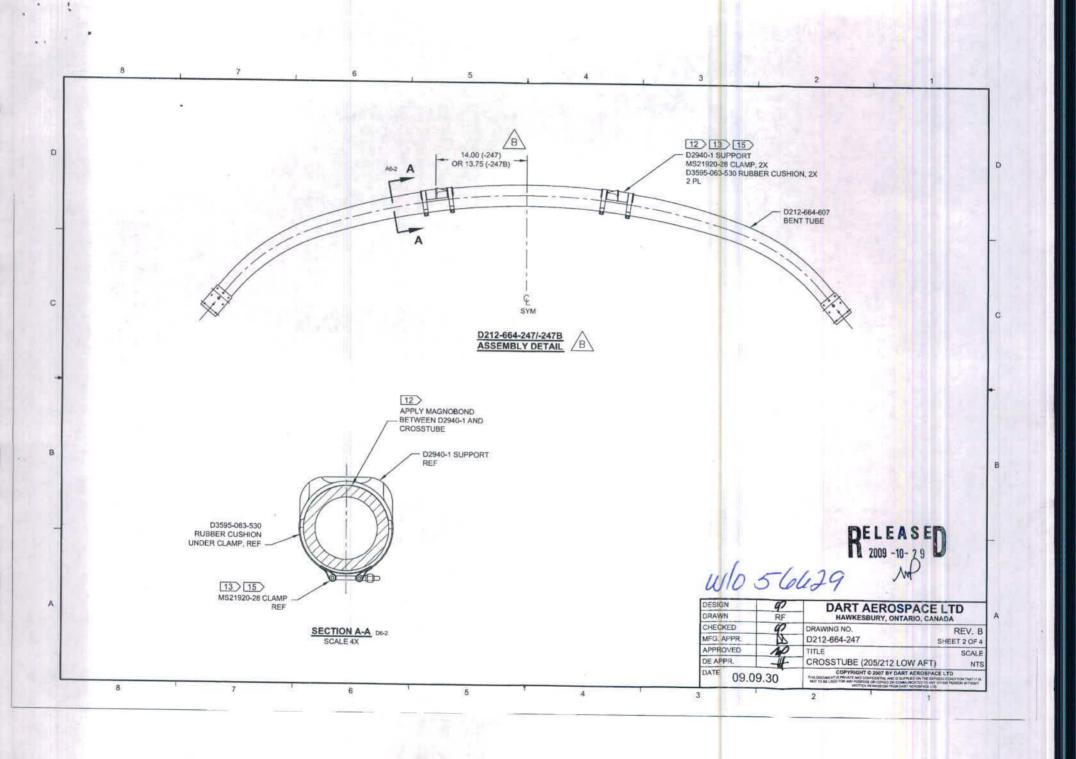
 17) TOUCH-UP HOLES WITH CHEMICAL CONVERSION COAT.

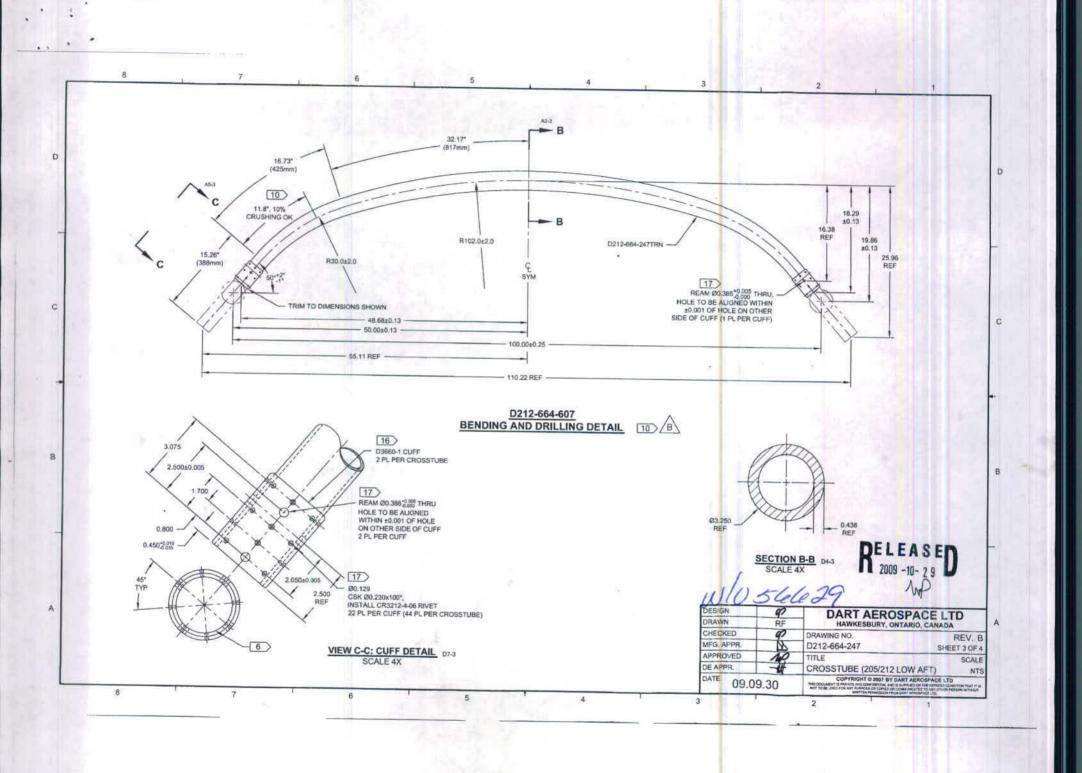
UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE ENGINEERING SHOP COPY RETURN TO



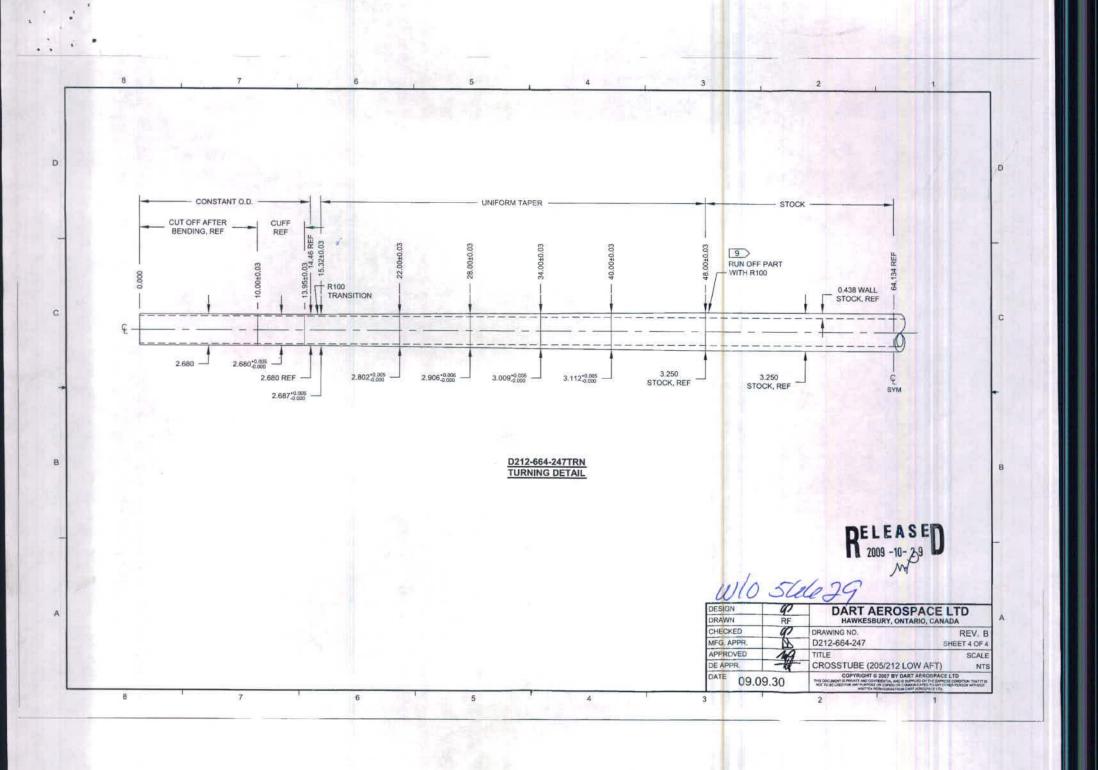
83	REVISI	GENERAL I	REVISE GENERAL NOTES/PART LIST; UPDATE TO CURRENT STANDARDS: ADD -2478 (ZN C4-2 DS-2)	RF	08.09.30
V	NEW ISSUE	SUE		60	V0 70 70
REV.			DESCRIPTION	RV	DATE
DESIGN		a	DART AFBOODAGE	TO V	1
DRAWN		RF	HAWKESBURY, ONTAR	HO. CANADA	2 49
CHECKED	03	a	DRAWING NO.		0 //20
MFG. APPR.	DPR.	8	D212-664-247	U,	SHEET 1 DE 4
APPROVED	VED	110	TITLE		SCALE
DE APPR.	o.	1	CROSSTUBE (205/212 LOW AFT)	VAFT	STN
DATE	09.09.30	9.30	COPYRIGHT & 2007 BY DART AEROSPACE LTD	ERGSPACE	and some

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